

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1.(Currently Amended) A navigation system for use in a mobile object, comprising:
a transceiver unit for transmitting a signal for demanding a detection of a navigation path, which is a short-cut path or an optimum path from a departure point to a destination, to a path detecting server via a wireless network and then receiving a path data which represents the navigation path from the path detecting server via the wireless network;

a display unit for outputting the navigation path or a revised navigation path;

an input unit for inputting data on the departure point and the destination; and

an ECU for transferring the data on the departure point and the destination from the input unit to the transceiver unit, transferring the path data from the transceiver unit to the display unit, precalculating deviation-expected path data which represent a plurality of deviation-expected paths in the course of driving along the navigation path, and selecting revised path data which represent the revised navigation path, among the plurality of precalculated deviation-expected path data paths in case a present position of the mobile object deviates from the navigation path to thereby provide the revised navigation path to the display unit,

wherein the plurality of deviation-expected paths are precalculated from a plurality of deviation points to the destination, the plurality of deviation points being arbitrary places where the mobile object begins to deviate from the navigation path, wherein the plurality of derivation-expected paths are precalculated without a determination of a likelihood that the mobile object will deviate from the navigation path at the arbitrary places.

2.(Original) The system of claim 1, further comprising a navigation sensor unit for detecting the present position of the mobile object.

3.(Previously Presented) The system of claim 2, wherein the display unit includes an audio processing unit for outputting the path data of the navigation path or the revised path data

in the form of an audio signal or an image processing unit for outputting the path data of the navigation path or the revised path data in the form of an image signal.

4.(Original) The system of claim 3, wherein the ECU selects the revised path data among the deviation-expected path data by inspecting which of the deviation-expected paths includes the present position.

5.(Previously Presented) The system of claim 1, further comprising a memory for storing the path data of the navigation path and the deviation-expected path data which are transmitted from the ECU and transmitting the stored path data of the navigation path and the stored deviation-expected path data in case the ECU requires for the stored path data of the navigation path and the stored deviation-expected path data to display the stored path data of the navigation path and the stored deviation-expected path data through the display unit.

6.(Canceled)

7.(Currently amended)A method for navigating a mobile object traveling from a departure point to a destination, comprising the steps of:

(a) transmitting a signal for demanding a detection of a navigation path, which is a short-cut path or an optimum path from the departure point to the destination, to a path detecting server via a wireless network;

(b) receiving path data which represent the navigation path from the path detecting server via the wireless network;

(c) displaying the navigation path in response to the received path data;

(d) precalculating in the mobile object deviation-expected path data which represent a plurality of deviation-expected paths;

(e) selecting revised path data, which represent a revised navigation path, among the plurality of precalculated deviation-expected path data paths in case a present position of the mobile object deviates from the navigation path; and

(f) displaying the revised navigation path in response to the revised path data,

wherein the plurality of deviation-expected paths are precalculated from a plurality of deviation points to the destination at the step (d), the plurality of deviation points being arbitrary places where the mobile object begins to deviate from the navigation path, wherein the plurality of deviation-expected paths are precalculated without a determination of a likelihood that the mobile object will deviate from the navigation path at the arbitrary places.

8.(Original) The method of claim 7, further comprising a step of detecting the present position of the mobile object.

9.(Original) The method of claim 8, wherein the navigation path and the revised navigation path are outputted either in the form of an audio signal or in the form of an image signal at steps (c) and (f).

10.(Original) The method of claim 9, wherein the revised path data are selected among the deviation-expected path data by inspecting which of the deviation-expected paths includes the present position at step (e).

11.(Previously Presented) The method of claim 7, further comprising the steps of storing the path data of the navigation path or the deviation-expected path data in a memory after the path data of the navigation path or the deviation-expected path data are received and retrieving the stored path data of the navigation path or the stored deviation-expected path data from the memory while displaying the navigation path or the revised navigation path.

12.(Canceled)

13. (New) The system of Claim 1, wherein the plurality of deviation-expected paths are calculated from optional points, selected from among all nodes between a present position and the destination.

14. (New) The method of Claim 7, wherein the plurality of deviation-expected paths are calculated from optional points, selected from among all nodes between a present position and the destination.